

Science Background Questionnaire

Grade 12

This section has 19 questions. Mark your answers in your booklet. Unless directed otherwise, fill in only **one** oval for each question.

VC305768

1. Which courses have you taken from eighth grade to the present? If you have taken a course more than once, give the most recent year you took it. Fill in **one** oval on each line. **INCLUDE** courses taken in summer school, but **DO NOT INCLUDE** topics that were only taught as part of a longer course.

	Couse not taken	I took this course in Grade 8	I took this course in Grade 9	I took this course in Grade 10	I took this course in Grade 11	I am taking or have taken this course in Grade 12	
a. Earth and space science	(A)	(B)	(C)	(D)	(E)	(F)	VC305813
b. Life science (other than biology)	(A)	(B)	(C)	(D)	(E)	(F)	VC305814
c. Physical science (other than chemistry or physics)	(A)	(B)	(C)	(D)	(E)	(F)	VC305815
d. General science	(A)	(B)	(C)	(D)	(E)	(F)	VC305817
e. First-year biology	(A)	(B)	(C)	(D)	(E)	(F)	VC305819
f. Second-year biology	(A)	(B)	(C)	(D)	(E)	(F)	VC305820
g. First-year chemistry	(A)	(B)	(C)	(D)	(E)	(F)	VC305821
h. Second-year chemistry	(A)	(B)	(C)	(D)	(E)	(F)	VC305822
i. First-year physics	(A)	(B)	(C)	(D)	(E)	(F)	VC305823
j. Second-year physics	(A)	(B)	(C)	(D)	(E)	(F)	VC305826
k. Engineering and technology	(A)	(B)	(C)	(D)	(E)	(F)	VC305826
l. Other science course	(A)	(B)	(C)	(D)	(E)	(F)	VC305829

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ID110276

2. Are you currently enrolled in or have you taken International Baccalaureate courses in science?

☐ A Yes

☐ B No

VC304768

3. Are you currently enrolled in or have you taken any online science courses for high school or college credit?

☐ A Yes

☐ B No

ID110275

4. Are you currently enrolled in or have you taken an Advanced Placement course in science? Fill in ovals for **all** that apply.

☐ A Yes, I am enrolled in or have taken Advanced Placement Biology.

☐ B Yes, I am enrolled in or have taken Advanced Placement Environmental Science

☐ C Yes, I am enrolled in or have taken Advanced Placement Chemistry.

☐ D Yes, I am enrolled in or have taken Advanced Placement Physics B or C.

☐ E Yes, I am enrolled in or have taken Advanced Placement Computer Science A or AB.

☐ F No, I have never taken an Advanced Placement science course.



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5. Please indicate how much you DISAGREE or AGREE with the following statements about science. Fill in **one** oval on each line.

VC305330

	Strongly disagree	Disagree	Agree	Strongly agree	
a. I do science-related activities that are not for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC720594
b. I like science.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC305350
c. Science is one of my favorite subjects.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC305351
d. I take science only because I have to.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC305352
e. I take science only because it will help me in the future.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC305353
f. When I graduate from high school, I would like to have a job related to science.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC720596

6. Are you currently taking a science course?

☐ A Yes → Go to Question 7.

☐ B No → Skip to Question 15.

VC720597



VC304986

7. In your science class this year, have you done hands-on activities or projects with any of the following? Fill in **one** oval on each line.

	Yes	No	
a. Living things (for example, plants, animals, bacteria)	<input type="radio"/> A	<input type="radio"/> B	VC304988
b. Electricity (for example, batteries and light)	<input type="radio"/> A	<input type="radio"/> B	VC304989
c. Chemicals (for example, mixing or dissolving sugar or salt in water)	<input type="radio"/> A	<input type="radio"/> B	VC304991
d. Rocks or minerals (for example, identifying types)	<input type="radio"/> A	<input type="radio"/> B	VC304007
e. Magnifying glass or microscope (for looking at small things)	<input type="radio"/> A	<input type="radio"/> B	VC305008
f. Thermometer or barometer (for making measurements)	<input type="radio"/> A	<input type="radio"/> B	VC305009
g. Simple machines (for example, pulleys and levers)	<input type="radio"/> A	<input type="radio"/> B	VC305012

VC305292

8. In your science class this year, how often do you do each of the following? Fill in **one** oval on each line.

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	
a. Read a science textbook, in class or at home	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VC546510
b. Read a book or magazine about science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VC305295
c. Read about science on the computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VC720562
d. Watch a movie, video, or DVD about science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VC305307


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VC305292

9. In your science class this year, how often do you do each of the following? Fill in **one** oval on each line.

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	
a. Discuss events in the news that are related to what you are learning in science class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VC304771
b. Work with other students on a science project or activity	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VC304772
c. Figure out different ways to solve a science problem	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VC304777
d. Present what you learned about science to your class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VC304778
e. Take a science test or quiz	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VC720564



VC305292

10. In your science class this year, how often do you do each of the following? Fill in **one** oval on each line.

	Never or hardly ever	Once every few weeks	About once a week	Two or three times a week	Every day or almost every day	
a. Identify questions that can be addressed through science experiments	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VC304770
b. Design a science experiment	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VC305318
c. Talk about measurements you took for your science project or activity	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VC305320
d. Talk about the results of your science project or activity	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	
e. Watch your teacher do a science experiment or activity	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	
f. Make graphs or charts of the results from your science project or activity	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VC304773
g. Write a report on your science project or activity	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VC315265


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11. In this school year, how often have you been asked to write long answers to questions on tests or assignments for science? VC315289
- Ⓐ Never or hardly ever
 - Ⓑ Once every few weeks
 - Ⓒ About once a week
 - Ⓓ Two or three times a week
 - Ⓔ Every day or almost every day
12. In this school year, how often have you talked with your teacher about how you are doing in science? VC546453
- Ⓐ Never or hardly ever
 - Ⓑ Once every few weeks
 - Ⓒ About once a week
 - Ⓓ Two or three times a week
 - Ⓔ Every day or almost every day
13. In this school year, how often have you used library resources for science? VC315266
- Ⓐ Never or hardly ever
 - Ⓑ Once every few weeks
 - Ⓒ About once a week
 - Ⓓ Two or three times a week
 - Ⓔ Every day or almost every day
14. In this school year, how often have you used computers for science? VC546463
- Ⓐ Never or hardly ever
 - Ⓑ Once every few weeks
 - Ⓒ About once a week
 - Ⓓ Two or three times a week
 - Ⓔ Every day or almost every day
15. How hard was this test compared to most other tests you have taken this year in school? VB595182
- Ⓐ Easier than other tests
 - Ⓑ About as hard as other tests
 - Ⓒ Harder than other tests
 - Ⓓ Much harder than other tests
16. How hard did you try on this test compared to how hard you tried on most other tests you have taken this year in school? VC034559
- Ⓐ Not as hard as on other tests
 - Ⓑ About as hard as on other tests
 - Ⓒ Harder than on other tests
 - Ⓓ Much harder than on other tests

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VB595184

17. How important was it to you to do well on this test?

- ☐ Ⓐ Not very important
- ☐ Ⓑ Somewhat important
- ☐ Ⓒ Important
- ☐ Ⓓ Very important

QK070697

18. How much education do you think you will complete?

- ☐ Ⓐ I will not finish high school.
- ☐ Ⓑ I will graduate from high school.
- ☐ Ⓒ I will have some education after high school.
- ☐ Ⓓ I will graduate from college.
- ☐ Ⓔ I will go to graduate school.
- ☐ Ⓕ I don't know.

VC101417

19. What do you expect that your main activity will be in the year after you leave high school?

- ☐ Ⓐ Working full time
- ☐ Ⓑ Attending a vocational, technical, or business school
- ☐ Ⓒ Attending a two-year college
- ☐ Ⓓ Attending a four-year college, service academy, or university
- ☐ Ⓔ Serving in the military
- ☐ Ⓕ Other

